

AMENDED CLAIM SET:

1. (currently amended) A lithium based battery comprising[[:]]:

a cell structure group formed by stacking unit cells each including a positive electrode, a negative electrode, and a separator interposed therebetween, or formed by repeatedly folding or winding an integral body of said unit cells;

a battery container for containing said cell structure group; and

an electrolyte, which is poured in said battery container after said cell structure group is contained in said battery container[[:]].

wherein the outer peripheral surface of said battery container is covered with an ion impermeable and extensible high polymer sheet having a tensile elongation percentage of 1 % or more.

2. (currently amended) A lithium based battery according to claim 1, comprising:

~~a cell structure group formed by stacking unit cells each including a positive electrode, a negative electrode, and a separator interposed therebetween, or formed by repeatedly folding or winding an integral body of said unit cells; and~~
~~an electrolyte;~~

wherein the outer periphery of said cell structure group is covered with an ion impermeable and extensible high polymer sheet having a tensile elongation percentage of 1 % or more.

3. (currently amended) A lithium based battery comprising:

a cell structure group formed by stacking unit cells each including a positive electrode, a negative electrode, and a separator interposed therebetween, or formed by repeatedly folding or winding an integral body of said unit cells;

a battery container for containing said cell structure group; and

an electrolyte, which is poured in said battery container after said cell structure group is contained in said battery container[[:]],

wherein the outer peripheral surface of said battery container is covered with an ion impermeable and extensible high polymer sheet having a tensile elongation percentage of 1 % or more, and also the outer periphery of said cell structure group is covered with said ion impermeable and extensible high polymer sheet.

4. (currently amended) A lithium based battery according to claim 3,
~~comprising:~~

~~a cell structure group formed by stacking unit cells each including a positive electrode, a negative electrode, and a separator interposed therebetween, or formed by repeatedly folding or winding an integral body of said unit cells;~~

~~a battery container for containing said cell structure group; and~~

~~an electrolyte, which is poured in said battery container after said cell structure group is contained in said battery container;~~

wherein said positive electrode and said negative electrode of each of said unit cells are respectively formed on one surface of a positive collector and one surface of a negative collector in such a manner as to face to each other with said separator put therebetween; and

an ion impermeable and extensible high polymer sheet having a tensile elongation percentage of 1 % or more is disposed between adjacent two of said unit cells and/or on the outer peripheral surface of each of said unit cells.

5. (currently amended) A lithium based battery according to claim 2 ~~any one of claims 1 to 3~~, wherein said positive electrode and said negative electrode of each of said unit cells are respectively formed on one surface of a positive collector and one surface of a negative collector in such a manner as to face to each other with said separator put therebetween; and

an ion impermeable and extensible high polymer sheet having a tensile elongation percentage of 1 % or more is disposed between adjacent two of said unit cells and/or on the outer peripheral surface of each of said unit cells.

6. (currently amended) A lithium based battery according to claim 1 ~~any one of claims 1 to 4~~, wherein said extensible high polymer sheet is made from at least one kind selected from a group consisting of a polyamide based elastomer, a polyurethane based elastomer, a polyolefin based elastomer, a polyester based elastomer, a styrene based elastomer, a vinyl chloride based elastomer, and a fluorine based elastomer.

7. (new) A lithium based battery according to claim 3, wherein said extensible high polymer sheet is made from at least one kind selected from a group consisting of a polyamide based elastomer, a polyurethane based elastomer, a polyolefin based elastomer, a polyester based elastomer, a styrene based elastomer, a vinyl chloride based elastomer, and a fluorine based elastomer.

8. (new) A lithium based battery according to any one of claims 1 to 7, wherein said extensible high polymer sheet has a tensile elongation percentage of 200% or more throughout the temperature range -20 to +80 °C.